

UDM 101

Ultrasonic Flowmeter

The Ultrasonic Flowmeter UDM 101 is a state-of-the-art universal transit-time flowmeter designed using FPGA chip and low-voltage broadband pulse transmission.

Comparing with other traditional flowmeter or ultrasonic flowmeter, it has distinctive features such as high precision, high reliability, high capability and low cost.

Ultrasonic Flowmeter features:

- TVT technology designed
- Less hardware components, low voltage broadband pulse transmission, low consumption power
- Clear, user-friendly menu selections make flowmeter simple and convenient to use
- Daily, monthly and yearly totalized flow
Parallel operation of positive, negative and net flow totalizes with scale factor (span) and 7 digit display, while the output of totalize pulse and frequency output are transmitted via relay and open collector.



SPECIFICATION

PERFORMANCE SPECIFICATIONS

Flowrange	±0,01 m/s ~ ±5,00 m/s
Accuracy	±1 % of measured value
Pipe size	DN25 ~ DN1200
Pipe material	Steel, stainless steel, cast iron, ductile cast iron, copper, PVC, aluminium, asbestos and fiberglass / epoxy
Fluid	Water / sewage water

FUNCTION SPECIFICATIONS

Outputs	OCT Pulse output: 0 ~ 5000Hz Analog output: 4 ~ 20mA, max load 750Ω
Communication interface	RS485 Modbus
Power supply	10-36 VDC / 1A
Keypad	16 (4x4) keys
Display	20×2 lattice alphanumeric, back lit LCD
Temperature	UDM101: -10 °C ~ + 50 °C Sensors: 0 °C ~ 80 °C
Humidity	Up to 99% RH, non-condensing

PHYSICAL SPECIFICATIONS

Transmitter	UDM101: IP65 Sensors: IP68
Transducer cable	9 m (up to 300 m possible)
Weight	UDM101: 0,7 kg Sensors: 0,4 kg
Dimensions WxHxD	UDM101: 150,0 x 155,0 x 68,0 mm Sensors: 31,8 x 55,0 x 23,5 mm

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